

Title (en)

Olefin polymerization catalyst system, polymerization process and polymer therefrom

Title (de)

Katalysatorsystem für Olefinpolymerisation, Polymerisationsverfahren und Polymer davon

Title (fr)

Système catalytique de polymérisation d'oléfine, procédé de polymérisation et polymère ainsi obtenu

Publication

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Application

**EP 05008539 A 19991119**

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- US 21570698 A 19981218
- US 21616398 A 19981218
- US 21621598 A 19981218
- US 21362798 A 19981218

Abstract (en)

This invention relates to an olefin polymerization catalyst system comprising at least one activator and one of: a) at least two transition metal catalysts based on bidentate ligands containing pyridine or quinoline moieties, as described below as represented by formula I, II, III or IV, b) the product of the combination of an activator and a transition metal catalyst based on bidentate ligands containing pyridine or quinoline moieties, such as those described as represented by formula III or IV, that has been allowed to react prior to the introduction into the reactor, preferably for at least 15 minutes, and/or c) the product of combination of an additive and a transition metal catalyst based on bidentate ligands containing pyridine or quinoline moieties, such as those described below as represented by formula I or II. <??>This invention further relates to a polymer produced therefrom, particularly to a unique polyethylene resins, more preferably bimodal high density polyethylene resins produced by this invention.

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**C08F 10/00**; **C08F 4/60**

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Citation (search report)

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